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Re-evaluation Note REV2012-22

Re-evaluation Project Plan for Nucleopolyhedrovirus for Gypsy Moth Larvae

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Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

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Introduction

In Canada, nucleopolyhedrovirus for gypsy moth larvae, i.e. *Lymantria dispar* multicapsid nucleopolyhedrovirus (LdMNPV), is under re-evaluation by Health Canada's Pest Management Regulatory Agency (PMRA). The PMRA's pesticide re-evaluation program considers potential risks as well as the value of pesticide products to ensure they continue to meet standards of modern science and current policy established to protect human health and the environment. Under the authority of section 16 of the *Pest Control Products Act*, the registrant of LdMNPV was notified of the initiation of the re-evaluation of LdMNPV. Following this, the registrant of LdMNPV technical grade active ingredient in Canada indicated their intention to support all uses included on the label of the restricted product in Canada. This Re-evaluation Note outlines a project plan and timeline for review, as well as summarizes the anticipated areas of focus related to the re-evaluation of LdMNPV.

LdMNPV is a microbial pest control agent/insecticide that has been registered in Canada since 1996. LdMNPV is a naturally occurring baculovirus which is currently registered as a microbial control agent for the suppression of gypsy moth populations in Forests and Woodlots (Use-Site Category 4). The registered LdMNPV restricted end-use product is formulated as a wettable powder with a guarantee of at least 1.0×10^{10} Polyhedral Inclusion Bodies of *Lymantria dispar* nucleopolyhedrovirus per gram, to be applied by aerial application only (fixed wing or rotary wing aircraft).

The project plan discussed below outlines the anticipated areas of focus and risk assessments required to complete the re-evaluation of LdMNPV. Should additional information become available during the re-evaluation period that affects the regulatory status of LdMNPV, the PMRA will reconsider the areas of focus and risk assessments required. Currently, a proposed re-evaluation decision for LdMNPV is anticipated to be published for consultation in 2013.

Re-evaluation Project Plan

Human Health Risk Assessment

- A review of LdMNPV toxicology was conducted in support of the initial registration and the toxicology database for LdMNPV still meets current requirements.
- Occupational exposure assessments previously conducted to support the registered uses will be verified to ensure that they continue to meet the standards of modern science and reflect current policy.
- Based on the registered use pattern for LdMNPV, a dietary exposure assessment and a residential exposure assessment are not required.

Environmental Risk Assessment

- Based on the registered use pattern, environmental exposure to LdMNPV is expected to be limited.
- The labels will be updated to reflect current standards.

Value

- The value of LdMNPV will be considered. The viability of alternatives will be examined if risks of concern are identified.

Data Requirements

- No additional data requirements have been identified for LdMNPV at this time.

Anticipated Timeline for Re-evaluation

- A proposed re-evaluation decision for LdMNPV is anticipated to be published for consultation in 2013.

Additional Information

PMRA documents can be found on our website at www.healthcanada.gc.ca/pmra.
PMRA documents are also available through the Pest Management Information Service.
Phone: 1-800-267-6315 within Canada or 1-613-736-3799 outside Canada (long distance charges apply); fax: 613-736-3798; e-mail: pmra.infoserv@hc-sc.gc.ca